

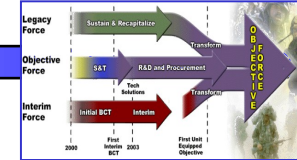
# **The Common Logistics Operating Environment (CLOE)**

## **- *ED/EP/EC3, TLDD, IETMs, AIT, ERP***

Senior Leader Strategy Session, 12 November  
2002



# *Purpose*

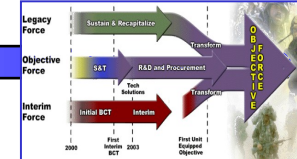


- Review and Confirm CLOE Concept & Strategy.
- Provide senior level guidance to proceed to next step – develop implementation plan.





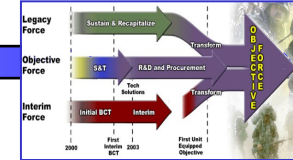
# Agenda



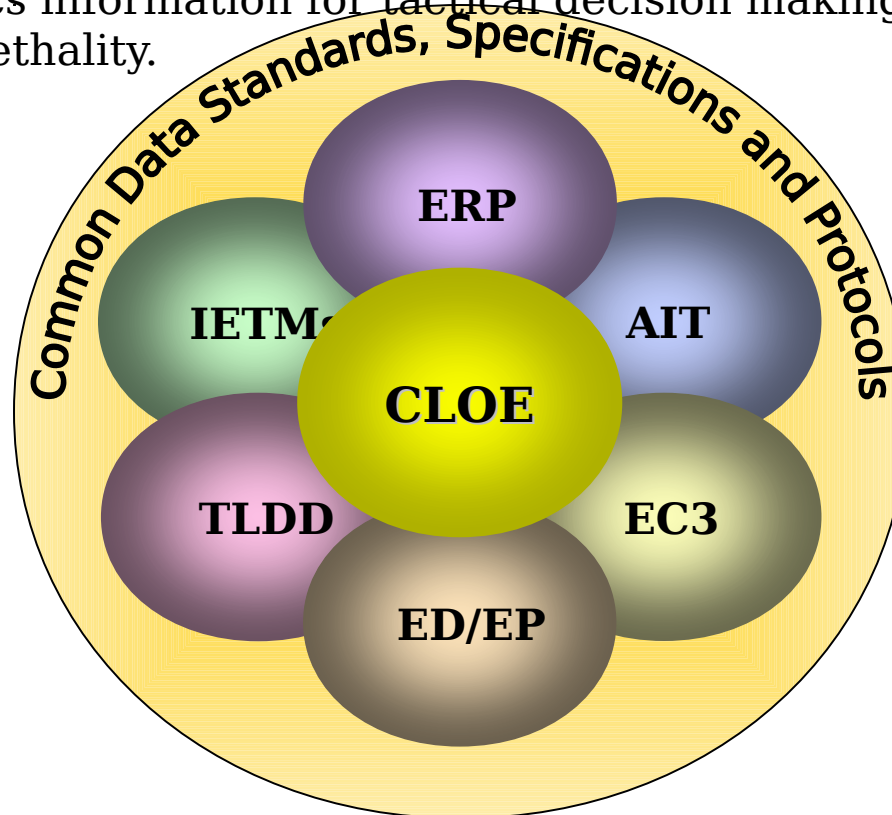
- The Common Logistics Operating Environment (CLOE) Concept
- CLOE Strategy
- Roles and Responsibilities
- Solicit senior level guidance to build consensus and develop an implementation plan.



# Description

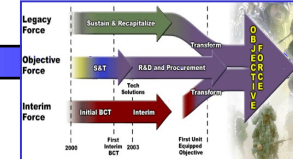


The CLOE is the synchronized application of selected technologies (ED/EP/EC3, IETMs, TLDD, and AIT) on all platforms in specified units (a unit of action (UA) and its' unit of employment (UE)) that automatically transmit timely logistics data to the tactical and enterprise-wide communities and results in assured operational availability, provides relevant logistics information for tactical decision making process and enhances unit lethality.





# Concept



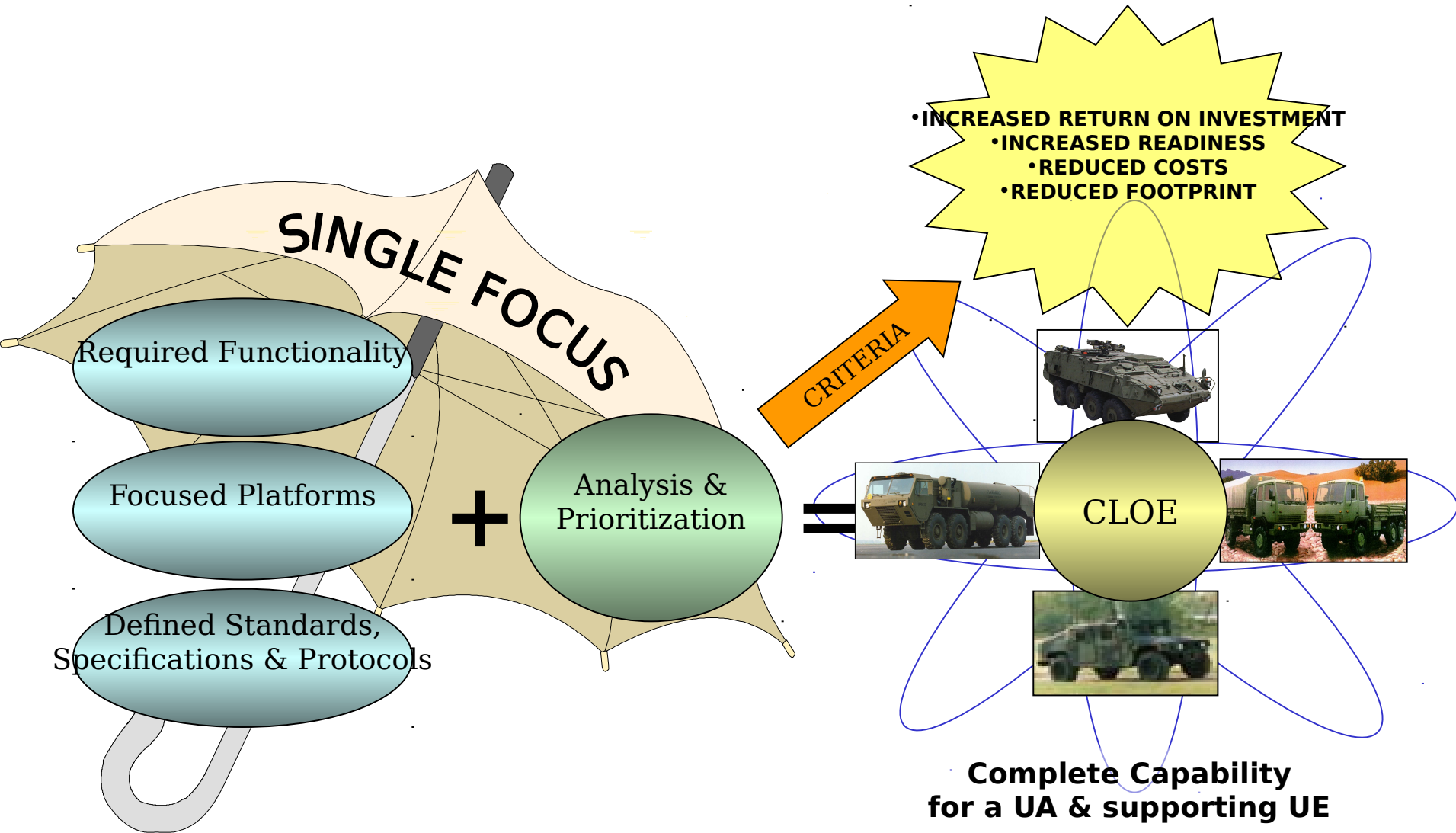
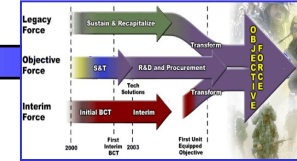
## Required Capabilities to enable the Concept

- **Sensor-Based**
- **Self Monitoring** - must have embedded health monitoring systems
  - Fault isolates to single CCA of LRM (Embedded Diagnostics)
  - Predicts failures of critical components/systems (Embedded Prognostics)
  - Provides current ability of platform to complete mission
- **Self Reporting** - must be linked to Embedded Command, Control, and Communications System (EC3)
  - Health Status
  - Ammunition Status
  - Fuel Status
  - Crew Status
  - Critical Consumables
  - Generates maintenance requirements
- **Automatically feeds Army Shared Data Environment**
  - Collects detailed data on operating history, maintenance history, software and hardware configuration



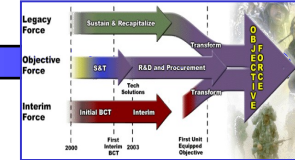


# Strategy





# Initial CLOE Strategy



## STRYKER BRIGADE

293



STRYKER

64



HEMTT

120



FMTV

394



HMMWV

12



M198

## STRYKER BDE SUPPORT



KIOWA WARRIOR



APACHE



BLACKHAWK



CH-47

*Demonstrate Effectiveness..  
using Stryker Brigade  
then expand to meet Army  
priorities*

2002

Demonstration  
SBCT 1 & 2

SBCT 3 & 4

TIME

SBCT 5 & 6

UA 1 & 2

OBJ FORCE  
SUSTAINMENT

**OBJECTIVE  
FORCE**

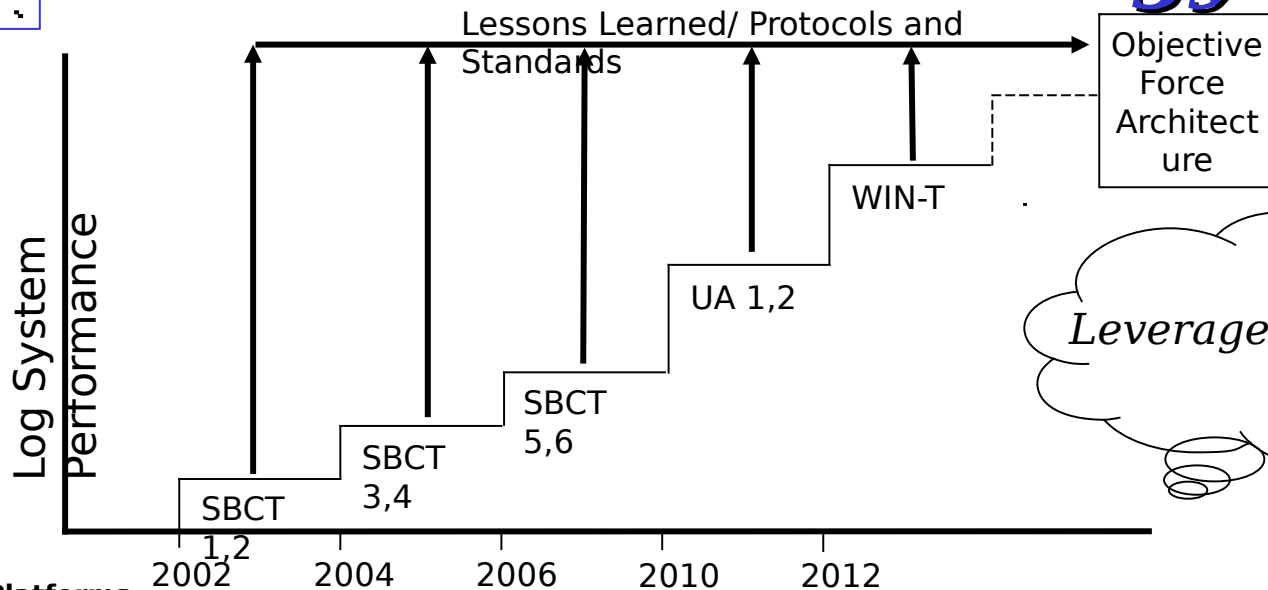
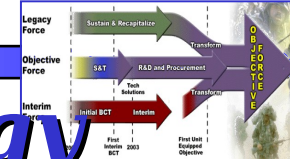
FCS, COMANCHE, FTT  
WIN-T

**Sustaining The Transforming Army**

09/11/16 00:26



# Follow-on CLOE Strategy

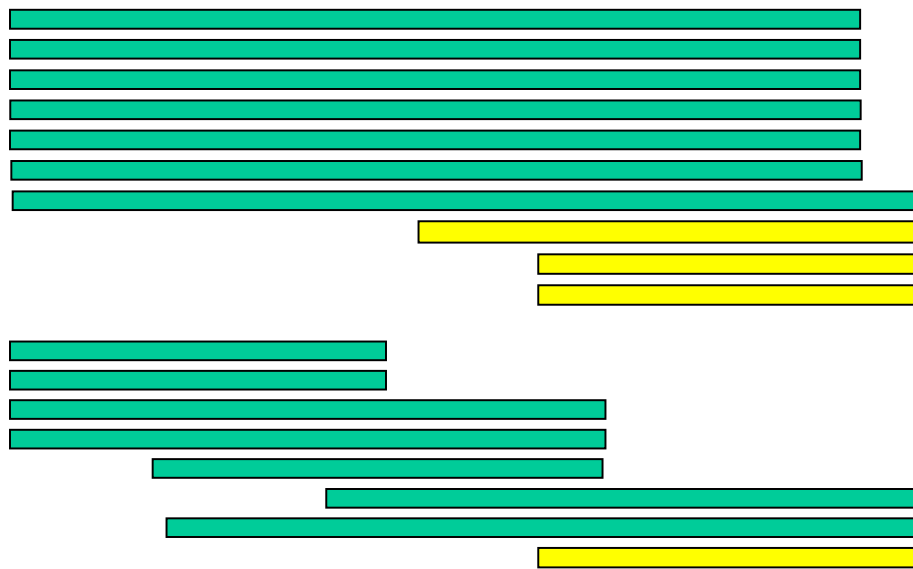


## Platforms

Stryker  
HEMTT  
FMTV  
HMMWV  
OH-58  
Apache  
Blackhawk  
Comanche  
FTT  
FCS Ground

## Systems

STAMIS  
TLDD  
FBCB2  
CSSCS  
MTS  
GCSS-A  
LMP  
FCS C2

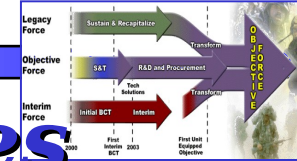


**Sustaining The Transforming Army**





# Roles & Responsibilities



**Future Logistics Enterprise (FLE)**

**C3 and the Common Operating Picture (COP)**

**ERPs**

**Tactical & Operational Situational Understanding**

**CLOE**

**Data Libraries**

**Common Data Standards Specifications and Protocols**

*wireless*



STRYKER



HEMTT



FMTV



HMMWV



KIOWA WARRIOR



BLACKHAWK



APACHE

**ED/EP/EC3/IETM/TLDD/AIT**

**I  
N  
T  
E  
G  
R  
A  
T  
I  
O  
N**

**Lead Responsibilities**

**DoD**

**AMC/CASCOM**

**AMC/ PEO EIS**

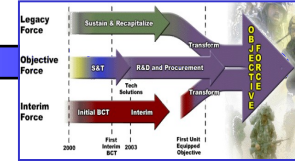
**PEO/PM**

**Sustaining The Transforming Army**

09/11/16 00:26



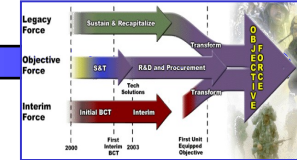
# Issues



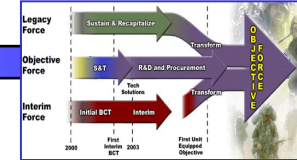
- Need to develop common data standards specifications and protocols.
  - Lays out road map for combat/materiel developers
- Government Access to Technical Data Package (TDP)
  - How to implement change in shared data environment? (TMs, Provisioning, etc)
  - Materiel TDP
  - Long term Access to data (Part of cost in RFP, Emergency Access Clause)
- Governance
  - How do we Vet ideas and decisions?
  - What is decision making Process?
  - How does Strategy affect POMs/Programs/PEGs?
  - Role of Staff elements G1/G2/G3/G4/G6/G8 in CLOE implementation?



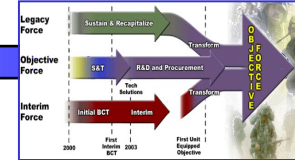
# *What's Next*



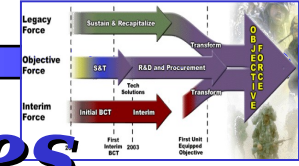
- Refine Concept & Strategy
- Develop Army Implementation Plan
  - Develops tasks
  - Task actions to responsible agents
  - Develop timeline



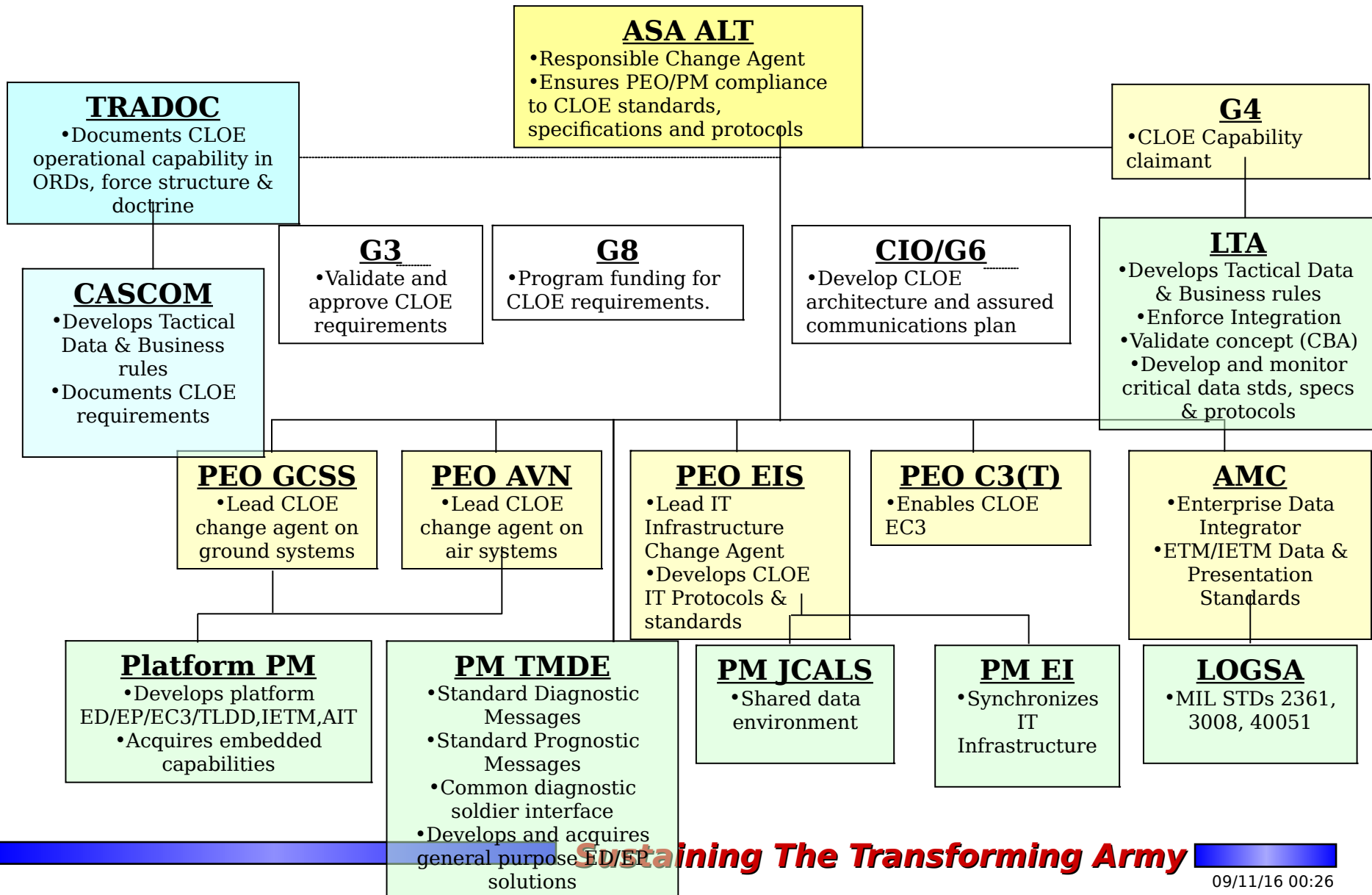
# Questions & Closing Comments

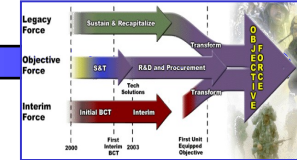


**BACK-UP**



# Roles and Responsibilities





# END OF SESSION